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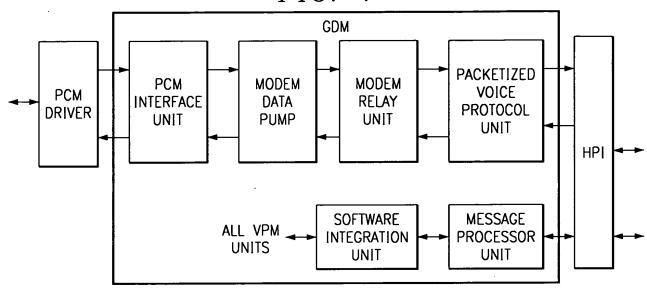


FIG. 8 MODEM RELAY UNIT (MRU) DD **MRP** MND EVENT/DATA QUÉUE **NETWORK INTERFACE NETWORK** MODEM **RECEIVE** RELAY STATE CM QUEUE EVENT/DATA QUEUE MACHINE **INTERFACE NETWORK** JITTER BUFFER MODEM DRIVER **OVERFLOW QUEUE** i RTP MODULE i MODEM DATA PUMP API **MDPU**

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FIG. 10

	RTP HEADER	(12 BYTES)
RTP PACKET		MRU HEADER (1–2 BYTES)
	PAYLOAD	MRU PAYLOAD

FIG. 11

BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0		
\	/	Р	Х		С	С			
М				PT					
	SI	EQUEN	ICE N	IUMBE	R (M	5)			
	S	EQUE	NCE N	IUMBE	R (LS	5)			
		TIN	IESTAI	MP (N	IS)				
		TIME	STAM	P (MS	5–1)				25
	,	TIME	STAM	P (MS	5–2)				
	TIMESTAMP (LS)								
	SYNCHRONIZATION SOURCE (MS)								
S	SYNCHRONIZATION SOURCE (MS-1)								
S	YNCH	RONIZ	ATION	SOU	RCE (MS-2	2)		
	SYNCHRONIZATION SOURCE (LS)								

MRU PROTOCOL VERSION

BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
PRC	PROTOCOL STATE OR HANDSHAKE STATE						
	ADDITIONAL INFORMATION BYTE						

BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
		DATA	A PAC	KET 1	YPE		
	B'	YTE 0	OF I	MODE	M DAT	Ά	
	B,	YTE 1	OF I	MODE	M DAT	Ά	
			0				
			0				
	BYT	E N-	1 OF	MOD	EM D	ATA	

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<u>~</u>	MODEM RELAY PROT	TOCOL STATE PACKETS
	PROTOCOL STATE	DESCRIPTION
L	OFFLINE	IDLE STATE
L	CARRIER LOSS	SILENCE ON THE ANALOG LINE, CARRIER LOSS
L	HANDSHAKE	MODEM DATA PUMPS WILL BEGIN HANDSHAKING PROCESS
l	CONNECT	LOCAL HANDSHAKE SESSION IS PASSED AND READY FOR MODEM RELAY
L	RELAY	MODEM RELAY TAKES PLACE
2	MODEM HANDSHAKE	STATE PACKETS
	HANDSHAKE STATE	DESCRIPTION
	V25	V.25 ANSWER TONE IS DETECTED ON THE LOCAL ANALOG LINE
	V25PR	V.25 ANSWER TONE WITH PHASE REVERSALS IS DETECTED ON THE LOCAL ANALOG LINE
	V21	V.21 B1 SIGNAL IS DETECTED ON THE LOCAL ANALOG LINE
	USB1	V.22 USB1 SIGNAL IS DETECTED ON THE LOCAL ANALOG LINE
	SI	V.22bis S1 SIGNAL IS DETECTED ON THE LOCAL ANALOG LINE
	SB1_1200	V.22bis SB1 SIGNAL @ 1200 IS DETECTED ON THE LOCAL ANALOG LINE
	SB1_2400	V.22bis SB1 SIGNAL @ 2400 IS DETECTED ON THE LOCAL ANALOG LINE
	MODEM DATA PACKETS	SJ
	DATA TYPE	DESCRIPTION
	. V21	V.21 DATA @ 300 bps
	V22	V.22 DATA @ 1200 bps
i	V22BIS	V.22bis DATA @ 2400bps
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FIG. 12

